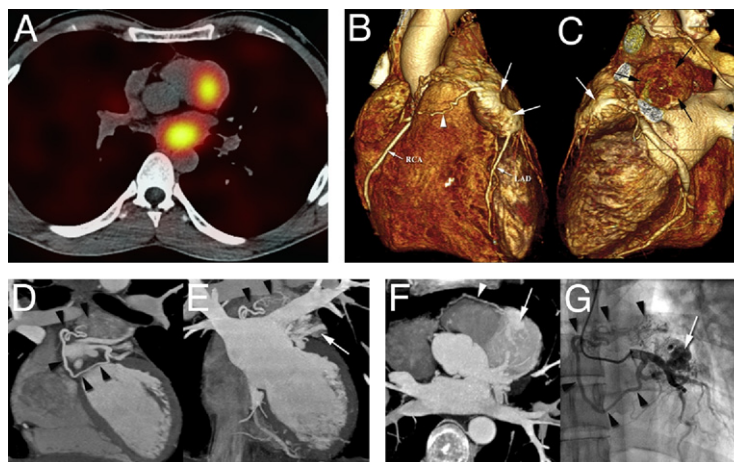


## IMAGES IN CARDIOLOGY

# Multislice Gated-Computed Tomography of Cardiac Paragangliomas

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**A** 28-year-old man presented with paroxysmal hypertension (161/114 mm Hg) and tachycardia (131 beats/min). Urinary noradrenaline was 4,892 nmol/24 h (normal <498), and serum chromogranine A was 210  $\mu\text{g/l}$  (normal 19.4 to 98.1  $\mu\text{g/l}$ ). A metaiodobenzylguanidine scintigraphy and a computed tomography (CT) scan with single-photon emission-CT fusion revealed 2 high mediastinal uptakes and 1 retroperitoneal uptake respecting adrenal glands (**A**). A 64-multidetector gated CT demonstrated 2 highly vascularized cardiac tumors (**B to F**, [Online Video 1](#)): 1 anterior, lying above the left anterior descending coronary artery (LAD) (**white arrows**); 1 posterior, above the left atrium (**black arrows**). The feeding vessels for the anterior tumor originated from the LAD and from a small branch of the right coronary artery (**white arrowheads**). The feeding vessel for the posterior tumor was a branch of the circumflex artery (**black arrowheads**). Coronary angiography confirmed the triple origin of the feeding vessels (**G**, [Online Video 2](#)). The tumors could be completely resected with a LAD bypass graft. Histopathologic examination (images not available) confirmed paragangliomas. Genetic testing showed deletion of succinate dehydrogenase subunit D.